



KS4 YEAR 2

<p>Biology</p> <ul style="list-style-type: none"> Flowers, vegetables & weeds Preparing beds Sow seeds and tubers Prick out seeds / thin out plants Care for plants 	<p>Chemistry</p> <ul style="list-style-type: none"> Ecosystems Thermal radiation DNA profiling & Fingerprints Alkali metals Exothermic reactions 	<p>Physics</p> <ul style="list-style-type: none"> Energy Production Creating a Biomass Fossil Fuel Power Stations Electricity Production Turbines
<p>Physics</p> <ul style="list-style-type: none"> Health and Fitness Forces and Motion Nutrition & balanced diet BMI Nutrients and deficiency Aerobic respiration 	<p>Chemistry</p> <ul style="list-style-type: none"> Acids & alkalis Pressure Respiration & circulation Chemical reactions Electrical charge 	<p>Biology</p> <ul style="list-style-type: none"> Cells Using a microscope DNA & variation Inherited & environmental causes Natural selection
		<p>Physics</p> <ul style="list-style-type: none"> Spherical bodies Phases of the moon The solar system Life cycle of stars Constellations Space Physics
		<p>Chemistry</p> <ul style="list-style-type: none"> Periodic Table Chemical Reactions Elements Physical and Chemical Properties Dimitri Mendeleev

KS4 YEAR 1

<p>Biology</p> <ul style="list-style-type: none"> Reproduction Plants Animals Humans Pollination Life Cycles Reproductive Organs 	<p>Chemistry</p> <ul style="list-style-type: none"> Spherical bodies Phases of the moon The solar system Life cycle of stars Constellations 	<p>Physics</p> <ul style="list-style-type: none"> Energy Radiation Convection Conduction Measuring Energy Electrical Appliances Fuels
		<p>Biology</p> <ul style="list-style-type: none"> Basic food hygiene Pathogens & food poisoning Handling food safely Sell by, use by, best before Storing food safely
		<p>Chemistry</p> <ul style="list-style-type: none"> Physical & chemical changes Emulsifiers Research & preparation to cook a meal Equipment and methods Fermentation
		<p>Physics</p> <ul style="list-style-type: none"> Energy types and transfers Electrical charge Current & potential difference Series & parallel circuits Resistance

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<p>Physics</p> <ul style="list-style-type: none"> Types of forces Balanced and unbalanced force Friction Gravity Speed and movement Distance / time graphs 	<p>Chemistry</p> <ul style="list-style-type: none"> Hazard labels and meanings Acids & alkalis Ph and indicators Natural indicators Neutralisation 	<p>Biology</p> <ul style="list-style-type: none"> Human and the Environment Variation and Adoption
		<p>Physics</p> <ul style="list-style-type: none"> Heat & temperature Expansion & contraction Conduction Convection Radiation Energy efficient design
		<p>Chemistry</p> <ul style="list-style-type: none"> Electrical Circuits Insulators Conductors Current Voltage Completing a Circuit Making Predictions
		<p>Biology</p> <ul style="list-style-type: none"> Use of microscopes Plant cells Plant anatomy Pollination and seed dispersal Photosynthesis

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<p>Biology</p> <ul style="list-style-type: none"> Plant Parts Plant Functions Life Cycles Requirements for Life and Growth Classification of Plants 	<p>Chemistry</p> <ul style="list-style-type: none"> Earth Human Impact on Earth Rocks Volcano Formation and Types Volcanic Eruptions 	<p>Physics</p> <ul style="list-style-type: none"> Renewables Climate Change Global Warming
		<p>Biology</p> <ul style="list-style-type: none"> Digestive System Healthy Eating Immune System Heart and Lungs
		<p>Chemistry</p> <ul style="list-style-type: none"> Chemical Reactions in Food Basic food hygiene Pathogens & food poisoning Handling food safely Sell by, use by, best before Storing food safely
		<p>Physics</p> <ul style="list-style-type: none"> Magnetic material Magnetic fields Earth's magnetic field Electromagnets

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<p>Physics</p> <ul style="list-style-type: none"> Sound Light How light travels? Reflection Refraction Colour spectrum Shadows Transparent Translucent Opaque 	<p>Chemistry</p> <ul style="list-style-type: none"> Solids, Liquids and Gases Atoms and Molecules Separation Filtration Evaporation Condensation Precipitation <p>STATES OF MATTER</p>	<p>Biology</p> <ul style="list-style-type: none"> Group Classification Life Cycles Support and Movement Diets Habitats Evolution Charles Darwin
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